

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (currently amended):** A jet burner ~~for gaseous~~
2 ~~fuels~~ with a ~~gas~~ fuel supply and a burner surface permeable
3 ~~for said by a gaseous fuel~~ and on which said gaseous fuel
4 burns, ~~WHEREIN~~ said burner surface (1) ~~is constructed~~
5 ~~heterogeneously and comprises at least two different~~
6 ~~surface areas, wherein one or several comprising:~~

7 first surface areas (3) ~~are provided on masses of foam~~
8 ceramics, said first surface areas being permeable for by
9 said gaseous fuel, ~~whereas one or several and~~

10 second surface areas (2) ~~are provided on a ceramic~~
11 plate, said ceramic plate being impermeable for by said
12 gaseous fuel,

13 wherein said masses of foam ceramic are held in said
14 ceramic plate.

1 **Claim 2 (currently amended):** The jet burner as
2 defined in claim 1, ~~WHEREIN~~ wherein a plurality of first
3 surface areas (3) are imbedded in a second surface area
4 (2).

1 **Claim 3 (currently amended):** The jet burner as

2 defined in claim 1 ~~or 2, WHEREIN~~ wherein a dimension said
3 ~~surface portion of said first surface areas~~ area (3) in
4 relation to a dimension said surface portion of said second
5 surface areas (2) is chosen such that said jet burner has
6 a given output.

1 **Claim 4 (currently amended):** The jet burner as
2 defined in ~~one of the preceding claims~~ claim 1, ~~WHEREIN~~
3 wherein said jet burner with a round burner surface (1)
4 with a diameter of 50 to 300 mm, ~~80 to 200 mm in~~
5 particular, preferably 120 mm, has a nominal output of 0.5
6 to 10 kW, ~~preferably 1 to 5 kW, 1 to 3 kW in particular.~~

Claims 5-6 (cancelled)

1 **Claim 7 (currently amended):** The jet burner as
2 defined in one of the preceding claims, ~~WHEREIN said burner~~
3 ~~surface (1) is formed of nests (3)~~ wherein said masses of
4 foam ceramics ~~(first surface areas)~~ received in a massive
5 ceramic plate ~~(2) (second surface area)~~ by gluing of said
6 nets are glued into openings of said ceramic plate ~~or~~
7 ~~integral formation of said foam ceramics with said massive~~
8 ~~ceramic plate, in particular.~~

1 **Claim 8 (currently amended):** The jet burner as
2 defined in ~~one of the preceding claims~~ claim 2, ~~WHEREIN~~

3 wherein said first surface areas (3) have different sizes
4 and/or shapes.

1 **Claim 9 (currently amended):** The jet burner as
2 defined in ~~one of the preceding claims~~ claim 2, ~~WHEREIN~~
3 wherein said first surface areas (3) are formed such and/or
4 are distributed in said burner surface that uniform heating
5 is guaranteed over the surface heated by said burner.

1 **Claim 10 (currently amended):** A method for
2 manufacturing a jet burner for gaseous fuels, ~~as defined in~~
3 ~~one of the preceding claims in particular, WHEREIN~~
4 comprising a burner surface permeable by a gaseous fuel and
5 on which said gaseous fuel burns, said burner surface
6 comprising first surface areas provided on masses of foam
7 ceramic, said first surface areas being permeable by said
8 gaseous fuel, and second surface areas provided on a
9 ceramic plate, said ceramic plate being impermeable by said
10 gaseous fuel, and said ceramic plate being larger than said
11 masses of foam ceramic, wherein said masses of foam ceramic
12 are held in said ceramic plate, the method comprising steps
13 of:

14 selecting a first heat-resistant material that will be
15 permeable ~~for by~~ the fuel after completion of the method ~~is~~
16 selected,

17 selecting a second heat-resistant material after

18 ~~completion that will be impermeable for by the fuel, is~~
19 ~~selected, after completion of the method and~~ which can be
20 connected with said first material,

21 manufacturing a planar form from said second material
22 ~~a preferably planar form is manufactured in which~~
23 ~~particularly uniformly distributed a multitude having a~~
24 plurality of uniformly distributed openings, the openings
25 being small with respect to the entire surface of the
26 ~~preferably planar form is provided for,~~

27 forming planar forms ~~wherein~~ from said first material,
28 said preferably planar forms being complementary to said
29 ~~openings are formed, and~~

30 mounting said planar forms of said first material
31 ~~which are mounted in~~ said openings so that a burner
32 surface is created.

1 **Claim 11 (currently amended):** The method as defined
2 in claim 10[[8]], ~~WHEREIN wherein~~ as first material a
3 foamed plastic soaked with liquid ceramic mass is selected
4 as the first material, polyurethane in particular, and as
5 ~~second material a condensed ceramic mass is chosen~~ selected
6 as the second material, and wherein after said step of
7 mounting, insertion of said first material into the
8 openings of said second material the thus created compound
9 is burned so that ~~of said first material~~ porous foam
10 ceramics of the first material is ~~created~~ integrally

11 incorporated into a ~~massive~~ ceramic plate of the second
12 material.

1 Claim 12 (currently amended): A method for
2 manufacturing a jet burner for gaseous fuels, ~~as defined in~~
3 ~~one of the claims 1 to 9, WHEREIN~~ comprising a burner
4 surface permeable by a gaseous fuel and on which said
5 gaseous fuel burns, said burner surface comprising first
6 surface areas provided on masses of foam ceramic, said
7 first surface areas being permeable by said gaseous fuel,
8 and second surface areas provided on a ceramic plate, said
9 ceramic plate being impermeable by said gaseous fuel, and
10 said ceramic plate being larger than said masses of foam
11 ceramic, wherein said masses of foam ceramic are held in
12 said ceramic plate, the method comprising steps of:

13 manufacturing a planar form from a heat-resistant
14 material permeable ~~for to~~ the fuel ~~a planar form is~~
15 manufactured; and

16 sealing the planar form ~~which is sealed in a given~~
17 ~~regions, in a matrix region in particular, region which~~
18 surrounds a plurality of ~~in particular~~ uniformly
19 distributed regions that are small in relation to the
20 entire surface of said planar form so that a burner surface
21 is created comprising one or several first surface areas
22 (3) permeable for the fuel as well as ~~one or several a~~
23 plurality of second surface areas (2), ~~a matrix region in~~

24 ~~particular,~~ which due to sealing are impermeable for the
25 fuel.

1 **Claim 13 (new):** The jet burner as defined in claim 1,
2 wherein said masses of foam ceramics are formed integrally
3 with said ceramic plate.